

WHAT IS CLAIMED IS:

1 1. A system for transferring selected imaging data from a
2 digital camera to a personal imaging repository located on a client computer
3 connected to a web server computer providing a camera web service via the
4 Internet, comprising:

5 a personal imaging repository associated with a particular user for
6 storing imaging data that is to be accessed by requested web services;

7 a camera content for storing selected imaging data from the
8 digital camera onto said personal imaging repository responsive to user
9 selection; and,

10 a camera web service for providing said camera content and
11 transferring the selected imaging data from the digital camera to said personal
12 imaging repository;

13 wherein said personal imaging repository is an exchange
14 infrastructure between the imaging data and available web services.

1 2. The system as defined in claim 1 further comprising a
2 browser provided by the client computer for displaying said camera content to
3 the user.

4 3. The system as defined in claim 1 wherein said personal
5 imaging repository comprises an imaging data store for storing the imaging
6 data.

1 4. The system as defined in claim 1 wherein said personal
2 imaging repository comprises a composition store for storing imaging
3 compositions of the imaging data that are serviced as a single unit.

1 5. The system as defined in claim 4 wherein an imaging
2 composition comprises imaging data or a link to the imaging data.

3 6. The system as defined in claim 1 wherein said camera web
4 service is linked to the digital camera.

1 7. The system as defined in claim 1 wherein said camera web
2 service is located in the digital camera.

1 8. The system as defined in claim 1 wherein said camera web
2 service is located in a camera web server computer.

1 9. The system as defined in claim 1 wherein said camera web
2 service is located in the imaging client computer.

1 10. The system as defined in claim 1 wherein said personal
2 imaging repository is located on the client computer.

1 11. The system as defined in claim 1 wherein said personal
2 imaging repository is located on another data storage device that is linked to
3 the client computer.

1 12. The system as defined in claim 1 further comprising an
2 extension component providing access to the user information for associating
3 said camera content to said personal imaging repository.

1 13. A method for transferring selected imaging data from a
2 digital camera to a personal imaging repository, having an imaging data store
3 for storing the imaging data and a composition store for storing imaging
4 compositions having links to the imaging data serviced as a single unit, the
5 imaging data store and composition store being located on a computer
6 connected to a camera web server providing a camera web service via the
7 Internet, said method comprising:

8 requesting web content from the camera web service by the
9 browser;

10 responding to the request by supplying camera content to the
11 browser;

12 displaying and executing the camera content by the browser;
13 transferring selected imaging data to the camera content by the
14 digital camera; and,
15 saving the selected imaging data to the personal imaging
16 repository.

1 14. The method according to claim 13, wherein prior to said
2 step of responding to the request, further comprising the steps of:

3 determining whether the connection with the camera web service
4 is successful;

5 returning an error message to the user when the connection with
6 the camera web service is not successful;

7 determining whether the camera web service has a link to the
8 digital camera when the connection with the camera web service is successful;
9 and,

10 returning an error message to the user when the connection with
11 the camera web service does not have a link to the digital camera.

1 15. The method according to claim 13 wherein said step of
2 displaying and executing the camera content further comprising the steps of:

3 retrieving a list of the imaging data stored on the digital camera
4 by the camera content;

5 displaying the retrieved list of the imaging data on the browser
6 for user selection; and,

7 selecting the displayed imaging data for transfer to personal
8 imaging repository by the user.

1 16. The method according to claim 13, wherein prior to said
2 step of transferring selected imaging data to the camera content, further
3 comprising the steps of:

4 requesting selected imaging data from the web camera web
5 service by the camera content;

6 receiving the request for the selected imaging data from the
7 camera content by the camera web service;

8 requesting selected imaging data from the digital camera by the
9 camera web service responsive to the request; and,

10 receiving the request from the camera web service by the digital
11 camera.

1 17. The method according to claim 15 further comprising the
2 steps of:

3 transferring the selected imaging data to the camera web service
4 by the digital camera responsive to the request;

5 transferring the selected imaging data to the camera content by
6 the camera web service responsive to the request; and,

7 receiving the selected imaging data by the camera content.

1 18. The method according to claim 13 wherein said step of
2 saving the selected imaging data to the personal imaging repository further
3 comprising the steps of:

4 saving the selected imaging data to the imaging data store by the
5 camera web content;

6 creating an imaging composition that includes a link for each
7 selected imaging data by the camera web content;

8 saving imaging composition to the composition store by the
9 camera web content; and,

10 setting the imaging composition as the selected composition with
11 composition store.

1 19. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when executed causes a computer to:

4 request web content from the camera web service by the browser;
5 respond to the request by supplying camera content to the
6 browser;

7 display and execute the camera content by the browser;
8 transfer selected imaging data to the camera content by the digital
9 camera; and,

10 save the selected imaging data to the personal imaging repository.

1 20. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when installed in a computer having a browser that is connected
4 to a camera web service linked to a digital camera with imaging data, the
5 product causes the computer to:

6 display and execute a camera content from the camera web
7 service on the browser;

8 retrieve a list of the imaging data stored on the digital camera;
9 display the retrieved list of the imaging data on the browser; and,
10 request selected imaging data from the camera web service.

1 21. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when installed in a computer having a personal imaging
4 repository with an imaging data store for storing the imaging data and a
5 composition store for storing imaging compositions with links to the imaging
6 data serviced as a single unit that is connected to a camera web service linked
7 to a digital camera with imaging data, the product causes the computer to:

8 receive selected imaging data transferred from the camera web
9 service;

10 save the selected imaging data to the imaging data store;
11 create an imaging composition that includes a link for each
12 selected imaging data by the imaging client;
13 save the imaging composition to the composition store; and,
14 set the imaging composition as the selected composition with the
15 composition store.

1 22. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when installed in a web service computer that is connected to a
4 computer having a browser that is linked to a digital camera with imaging data
5 and a personal imaging repository having an imaging data store for storing the
6 imaging data and a composition store for storing imaging compositions with
7 links to the imaging data serviced as a single unit, the product causes the web
8 service computer to:

9 send a camera content responsive to a request for web content
10 from a browser;
11 receive a request for selected imaging data from the browser;
12 request the selected imaging data from the digital camera; and,
13 transfer the selected imaging data from the digital camera to the
14 camera content.

1 23. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when installed in a digital camera, having a camera web service
4 and imaging data, connected to a computer having a browser that is linked to a
5 personal imaging repository having an imaging data store for storing the

6 imaging data and a composition store for storing imaging compositions with
7 links to the imaging data serviced as a single unit, the product causes the digital
8 camera to:

9 send a camera content responsive to a request for web content
10 from a browser;
11 receive a request for selected imaging data from the browser; and,
12 transfer the selected imaging data stored on the digital camera to
13 the camera content.